

3140 Finley Road
Downers Grove, IL 60515
630.795.3200
Fax: 630.795.1130



VIA E-MAIL and U.S. Mail

July 30, 2004

Mr. Kevin Turner
USEPA REGION 5
Emergency Response Branch
8588 Rt. 148
Marion, IL 62959

Mr. Steven Faryan
USEPA REGION 5
Emergency Response Branch
HSE-5J
77 West Jackson Blvd.
Chicago, IL 60604-3590

Clayton Project No. 15-03095.14-006

Subject: ILR000128249
LPC 1190505040 – Madison County
The Hartford Area Hydrocarbon Plume Site / Hartford, Illinois
Planned Locations for FPH Investigation Monitoring Wells

Dear Messrs. Turner and Faryan:

The April 8, 2004 CPT/ROST Investigation Report and Work Plan provided for the installation of a number of monitoring wells to confirm and supplement the CPT/ROST investigation. The additional monitoring wells will also address data gaps identified concerning groundwater flow patterns and the understanding of the geology and hydrogeology underlying the northern portion of Hartford. The proposed well locations were presented in Figure 7-1 of the April 8, 2004 Work Plan.

The U.S.EPA and Illinois EPA recommended that the Work Plan be approved, subject to conditions on June 2, 2004. One of the recommendations suggested that additional piezometers and/or small gauge well clusters or multiport wells should be installed prior to installing larger sized wells (i.e. 4-inch diameter wells) within the interpreted free phase hydrocarbon plume. As discussed during a June 16, 2004 teleconference between the Hartford Working Group and the Agencies, and as further clarified in Clayton's June 21, 2004 letter to the Agencies, it was agreed that prior to the installation of the monitoring wells identified in Figure 7-1 of the CPT/ROST Investigation Report and Work Plan the installation of the multi-point vacuum monitoring points (identified in the May 6, 2004 Technical Memorandum) would be completed. The information learned from the installation of the vacuum monitoring points would be evaluated to aid in the placement of larger sized wells within the area of free phase hydrocarbon that could

Messrs. Turner and Faryan
USEPA REGION 5

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potentially be used for free phase hydrocarbon removal. This information would also be evaluated to aid in selecting the depth for the replacement vapor control borings.

Installation of the vacuum monitoring points began on July 12 and should be completed during the week of August 9. While we are not ready to recommend locations for the placement of larger size wells within the free phase hydrocarbon plume, we are making some changes to the numbering of the proposed monitoring wells shown in Figure 7-1 to reflect the fact that the vacuum monitoring points have replaced the proposed monitoring wells located within the free phase hydrocarbon plume.

The enclosed figure replaces Figure 7-1 from the April 8, 2004 CPT/ROST Investigation Report and Work Plan. We plan to begin installation of the proposed monitoring wells shown on the enclosed figure after we have completed the installation of the vacuum monitoring points. Barring any unexpected delays, this work should begin the week of August 16, 2004.

Please contact me with any questions.

Sincerely,



Monte M. Nienkerk, P.G.
Senior Project Manager
Environmental Services

Enclosures: Figures 1 – Planned Soil Boring / Monitoring Well Locations Map

cc: Hartford Working Group
Robert Egan (USEPA, Region 5 – 1 copy)
Tom Binz (TT EMI / USEPA – 4 copies)
Robert Howe (TT EMI / USEPA – 1 copy)
Jim Moore (IEPA, Springfield – 3 copies)
Chris Cahnovsky (IEPA, Collinsville – 2 copies)
Dave Webb (Illinois DPH – 1 copy)

